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INFORMATION REPORT

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COUNTRY	Bulgaria	REPORT	
SUBJECT	Plovdiv Steam-Heat and Electric Power Station (TETs)	DATE DISTR.	28 December 1956
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ENCLOSURE

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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Attached is a six-page report, including a sketch, on the Plovdiv TETs.

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ATTACHMENT

COUNTRY: Bulgaria
SUBJECT: Plovdiv Municipal Power Station

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1. A thermal power plant is the only power station in Plovdiv, and is located in the Borislav quarter about one kilometer south of the central railroad station (Tsentralna Gara), and about 200 meters from the Trakia brick factory.

2. Although the plant's maximum output does not exceed 5,000 kilowatts, it is connected with the national grid through the southern Bulgarian power network. The plant, built approximately 30 years ago, has not been renovated since 1938.

3. The plant's labor force is about 60 persons, half of them at the central building. Seven are employed at the warehouses, eight at the transformer repairshop, ten at the mechanical workshops, and the remainder are administrative employees. Guard duties are performed by a special police post at the plant, four

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of whose twelve members are always on guard.

4. The plant's installations cover an area approximately 150 x 300 meters. The area is partly enclosed by a wire fence and a wooden wall to the north, by a dilapidated wooden fence to the east and west, and by a wire fence extending only a short distance to the south. The unfenced portion of the south side is wired to an electric alarm system. The plant area has two gates: the main entrance to the north for pedestrians and vehicles and an entrance to the northwest for vehicles only. A third gate to the east of the perimeter is locked.

5. The central building, located opposite the main gate, contains the plant's principal installations:

- a. Boiler room, with three steam boilers and three smoke stacks approximately 20 meters high.
- b. Generator shop, with three generators. Two generators each with an output of 950 kilowatts, were installed when the plant was constructed, while the third, with a 1,800 kilowatt potential was acquired in 1938. Although all three generators work satisfactorily, they must be overhauled almost yearly.
- c. Control room (Komandniy Zal).
- d. Central switchboard, with the high-tension cable connections (15,000 volts on the upper floor and 2,000 volts on the lower floor), linking the plant with the national grid through an auxiliary station (Odkrita Podstantsia).

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- e. Transformer's shop, with seven transformers.
- f. Laboratory for water inspection, with the administrative offices on the second floor.
- g. Oil storage.

6. The auxiliary station connects the plant with the following installations:

- a. Power station in Krichim. (N 42 02; E 24 28)
- b. Transformer station (110,000 volts) located on the Asenovgradsko-Chausse in Plovdiv. This installation (Elektricheska Podstantsia) is the largest in southern Bulgaria and was set up around 1950 by Czech engineers.
- c. Transformer station (60,000 volts), located approximately 500 meters northeast of Plovdiv railroad station (Gara Filipovo).

7. The plant's main warehouse, located to the west of the perimeter, is used for storing cables, wire and insulators. Another warehouse contains reserve electromotors, cables, wires, and insulators. Two more warehouses contain repaired transformers and used materials.

8. The plant's transformer repair shop, the largest in southern Bulgaria, performs repair work for the entire region. The shop has a hand-operated crane with a ten-ton lifting capacity.

9. Attached is a sketch and legend of Plovdiv municipal power station.

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Legend to Sketch

1. Central power station building
2. Boiler room
3. Generator shop
4. Control room
5. Laboratory
6. Central switchboard
7. Transformer room
8. Oil Store
9. Auxiliary station
10. Two water cooling installations
11. Central warehouse
12. Warehouse
13. Mechanical workshop
14. Transformer repairshop
15. Warehouse for repaired transformers
16. Crane
17. Garage and repairshop for motor cars, on the floor above it,
restaurant
18. Used materials' warehouse
- 19.-20. Pumping stations
21. Unused wooden hut
22. Gatekeeper
23. Park with fountain

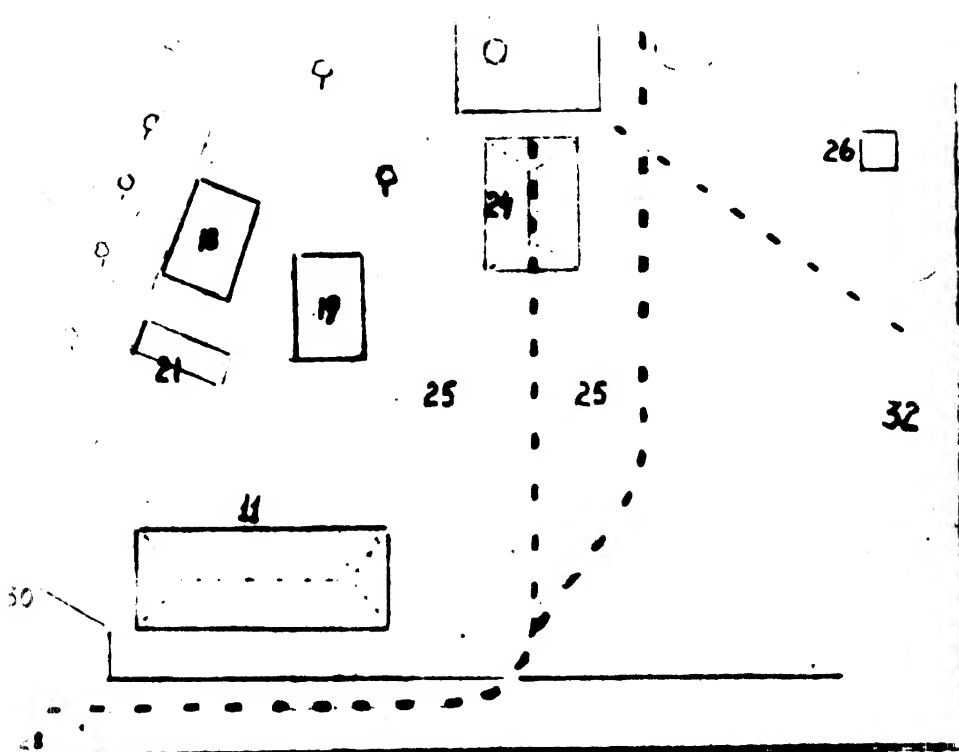
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24. Coal store
25. Heap of reserve coal
26. Police post
27. Workers' housing
28. Direction of central railway station
29. Main entrance to power station
30. Vehicle entrance
31. Unused entrance
32. Refuse heap
33. Open sewer.

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